

# Data Management Work Group

## MMS New Orleans, 7<sup>th</sup> June 2005

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### – Today's Agenda

- HWDC Project Summary (Pat Pocock)
- New Data Cleanup Initiatives (Pat Pocock)
- Impact on Industry (Pat Pocock)
- A2D Logs Contract Update (Steve Kennedy)
- Update on PCS & OCS Connect (Chris Gaudry)
- Availability of Directional Surveys (Chris Gaudry)
- Paper Elimination - Open Hole Reports (Chris Gaudry)

# MMS HWDC Project Summary

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## — Brief Refresher

- Timing & Objectives
- Overall Results
- CWHM Status
- Lessons Learned
- Future Direction

# MMS HWDC Project Summary

## Timing & Objectives

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### – Project Duration

- *October 1999 – April 2004*

### – Project Objective

- *Cleanup, verification & integration of 12 key data types*

### – Project History

- *2001 – software and schedule revisions to improve integration and reduce cost/well*
- *2002 – project de-scoped to 5 key data types focused on documentation and well positioning*
- *2003 – production shortfalls left too much to catch up in time available*
- *2004 – project cancelled when deliverables would not be met*

# MMS HWDC Project Summary

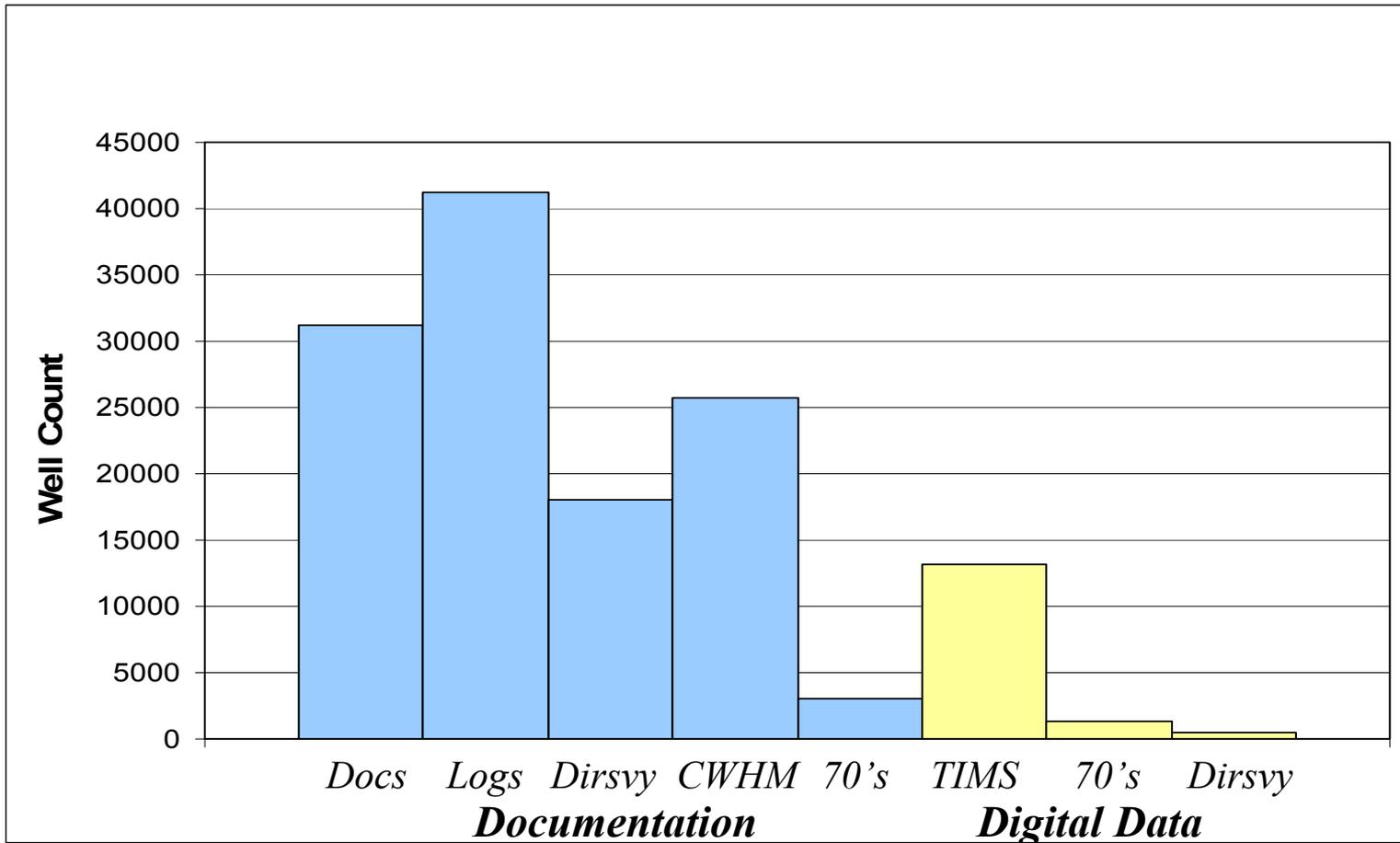
## Re-scoped Objectives (2002)

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- Common Well Header Master (CWHM)
  - *complete and accurate header updated in TIMS*
- Directional Surveys
  - *subsurface positioning, BHL and well paths*
- Data Inventory
  - *capture 'data' operations for well e.g. logs, core, tests*
- Well Log Images
  - *associate with correct well bore*
- Well File Imaging
  - *associate with correct well bore*

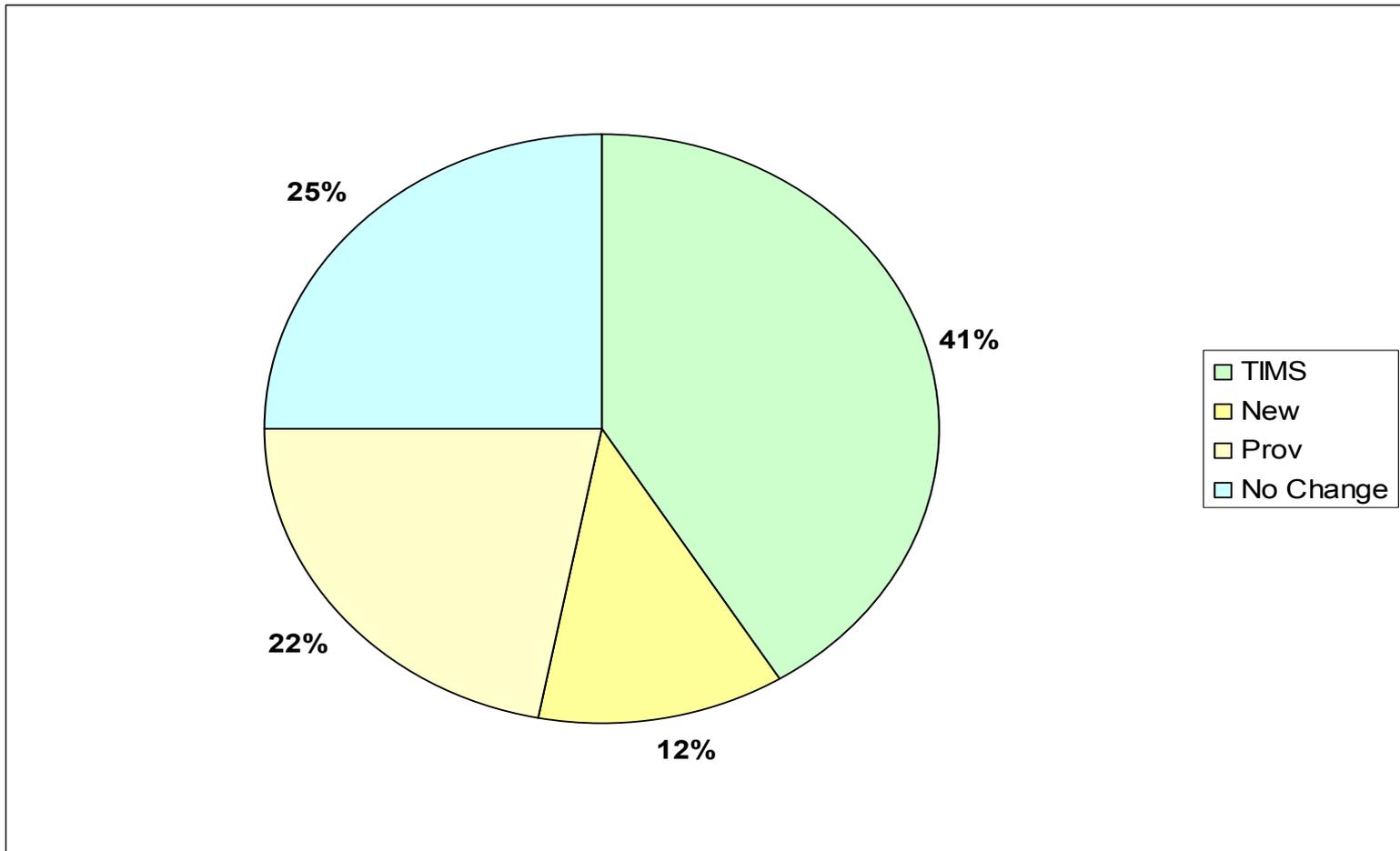
# MMS HWDC Project Summary

## Overall Results



# MMS HWDC Project Summary

## CWHM Analysis (25,684 wells)



# MMS HWDC Project Summary

## CWHM Status

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- HWDC database is frozen
  - *No further updates or changes*
  - *Online and available for reference*
- CWHM records still available at:  
<http://www.gomr.mms.gov/homepg/TDMS/wellheader/master.asp>
- HWDC database has errors
  - *Use TIMS as definitive data source*

# MMS HWDC Project Summary

## Lessons Learned

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- Review all material together at one time
  - *too many discrepancies between data types*
- Probably not necessary to review every well
  - *25% of wells had no changes*
- Work with data in situ and use existing tools
  - *significant overhead from extract/audit/load process*
- Finding problems versus fixing problems
  - *22% of wells left as provisional*

# MMS HWDC Project Summary

## Future Direction

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- Complete well naming and numbering
  - *merge HWDC results with TIMS + logic*
  - *Complete by July 2005*
- Fully harvest HWDC results
  - *load complete 70-series wells (Oct 2005)*
  - *capture missing directional surveys (Dec 2005)*
  - *identify missing documentation (provisional wells)*
- Continue with review of remaining areas
  - *Develop and implement a plan*

# New Data Cleanup Initiatives

## Legacy Data Verification (LDV)

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- MMS Data & Information Management Services
  - *Contract awarded to Anteon – June 2004*
  - *Includes data verification activities for TDMS*
- Established priorities for LDV
  - *Missing well bores*
  - *Well name suffixes*
  - *Document imaging*
  - *Missing data*
  - *Erroneous data*

# New Data Cleanup Initiatives

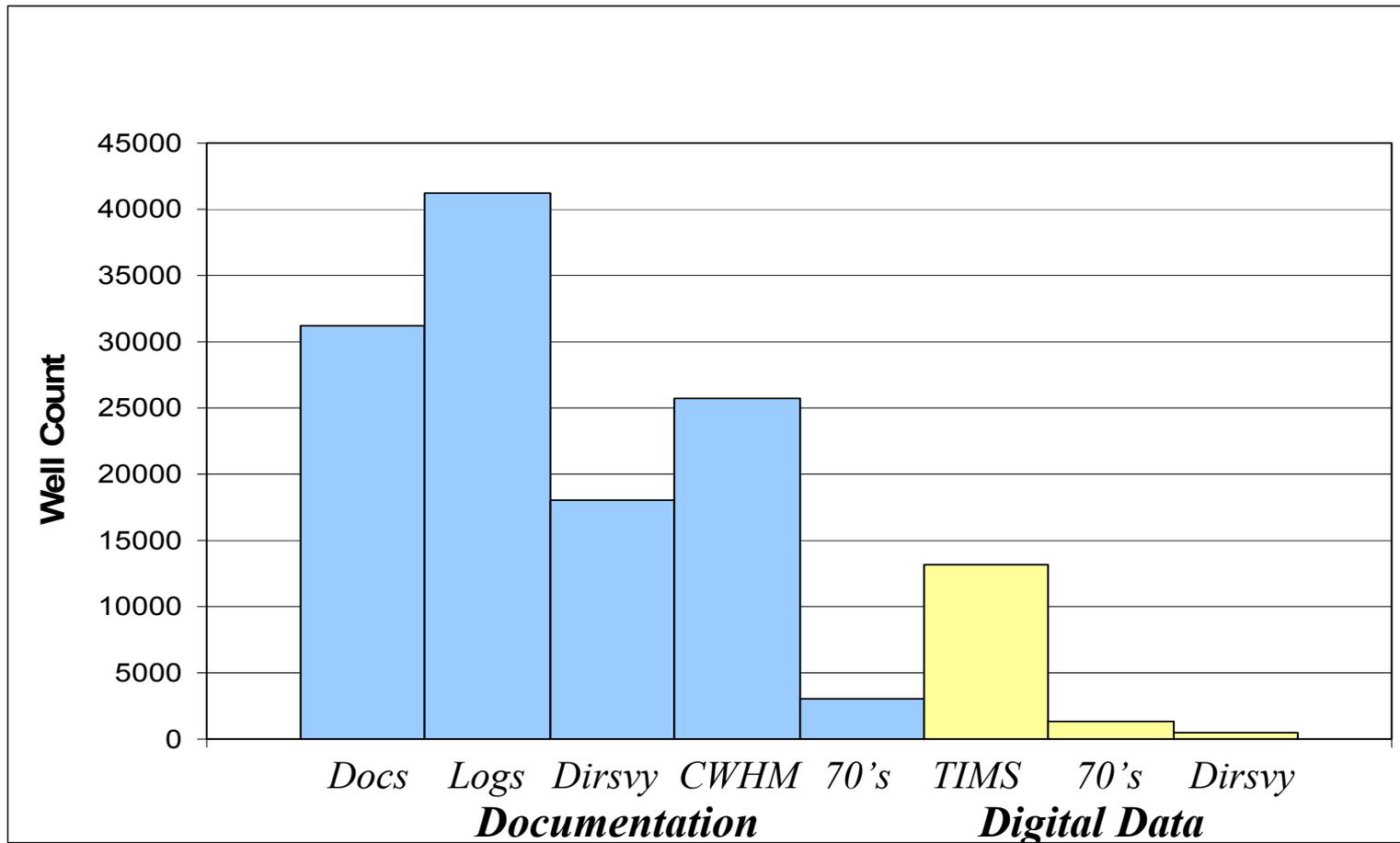
## Legacy Data Verification Activities

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- Alignment with TDMS processes (DPRF)
  - *102 70-series well bores added in 2005*
  - *445 missing directional surveys loaded*
- Resurrected well file scanning
  - *4,752 files imaged since October 2004*
  - *Previously imaged files reviewed for new documents*
- Tracking & timing
  - *What areas/leases are complete now*

# MMS HWDC Project Summary

## Overall Results



# New Data Cleanup Initiatives

## Legacy Data Verification Activities

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  - *102 70-series well bores added in 2005*
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- Tracking & timing
  - *What areas/leases are complete now*
  - *Developing schedule for remaining areas/leases*

# Impact on Industry Requests for Data

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- OMB approval to request data is still in place
  - *NTL 98-29*
  - *NTL 98-29 (Addendum 1)*
  - *NTL 98-29 (Addendum 2)*
- Switch from blanket to targeted approach
  - *Review before requesting data*
  - *Request information only when there is a problem*
  - *Include details of the problem*
- Report data problems to TDMS

# Impact on Industry

## Useful References

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- CWHM records at:

<http://www.gomr.mms.gov/homepg/TDMS/wellheader/master.asp>

- Submitting data problems:

<http://www.gomr.mms.gov/homepg/fastfacts/DataManagement/contact.html>

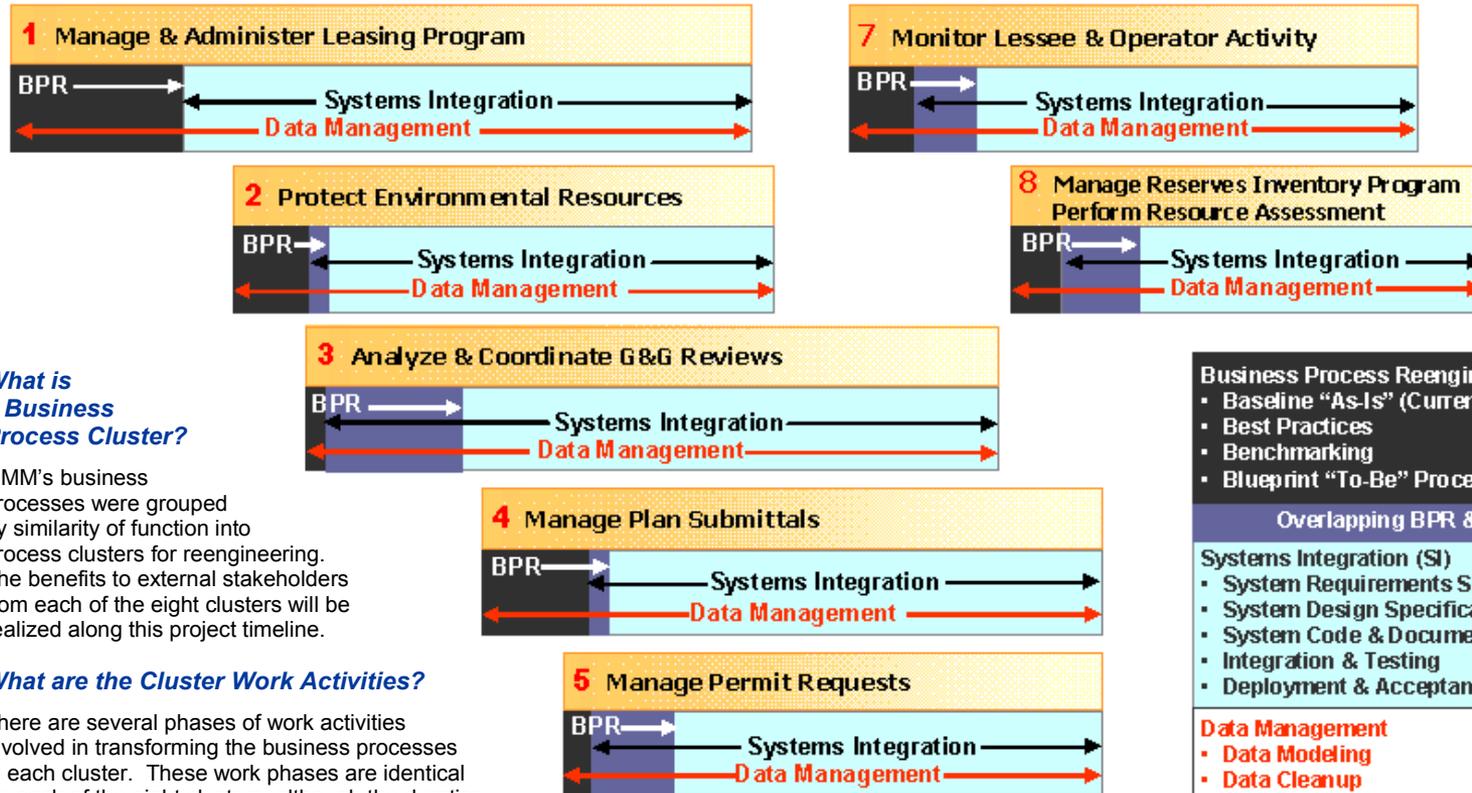
- Directional Survey images:

<http://www.gomr.mms.gov/WebStore/pimaster.asp?appid=10>

# The OCS Connect Timeline



## Business Process Clusters



### What is a Business Process Cluster?

OMM's business processes were grouped by similarity of function into process clusters for reengineering. The benefits to external stakeholders from each of the eight clusters will be realized along this project timeline.

### What are the Cluster Work Activities?

There are several phases of work activities involved in transforming the business processes in each cluster. These work phases are identical for each of the eight clusters, although the duration and overlap of the phases will vary on a cluster-by-cluster basis.

<b>Business Process Reengineering (BPR)</b>
<ul style="list-style-type: none"> <li>• Baseline "As-Is" (Current) Processes</li> <li>• Best Practices</li> <li>• Benchmarking</li> <li>• Blueprint "To-Be" Processes</li> </ul>
<b>Overlapping BPR &amp; SI Activities</b>
<b>Systems Integration (SI)</b>
<ul style="list-style-type: none"> <li>• System Requirements Specifications (SRS)</li> <li>• System Design Specification (SD)</li> <li>• System Code &amp; Documentation</li> <li>• Integration &amp; Testing</li> <li>• Deployment &amp; Acceptance</li> </ul>
<b>Data Management</b>
<ul style="list-style-type: none"> <li>• Data Modeling</li> <li>• Data Cleanup</li> <li>• Data Migration, Synchronization, &amp; Replication</li> <li>• Data Governance, Policies, &amp; Procedures</li> <li>• Document Management</li> </ul>



# <https://occonnect.mms.gov/pcs-public/>

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You may report problems you encounter with Gulf of Mexico Region data contained in the TIMS database by sending us an email to [tdms@mms.gov](mailto:tdms@mms.gov). However, note that the MMS gateway is not encryption-protected at this time, and therefore do not include proprietary information in your message. When contacting us please include information for TDMS to reach you including your name, phone number (with area code), and your E-mail address so that we may contact you regarding the data problems you forward to us.

# Well Documents on Website

- Directional Surveys in PI Data System (Work in Progress)
- Well File Documents in approximately three months (Work in Progress)

# Well Records Submittal

- Subsurface well data digital rather than paper
- Logs, directional surveys, velocity surveys, core analysis, etc.
- OOC, IPAA – June 6 comments
- TIMS applications?
- Records management?
- Headquarters?